

ABSTRACT

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2 This invention is directed to a parallel, control-information
3 generation, distribution and processing system. This scalable, pipelined
4 control and switching system efficiently and fairly manages a plurality of
5 incoming data streams, and applies class and quality of service requirements.
6 The present invention also uses scalable MLML switch fabrics to control a
7 data packet switch, including a request-processing switch used to control the
8 data-packet switch. Also included is a request processor for each output
9 port, which manages and approves all data flow to that output port, and an
10 answer switch which transmits answer packets from request processors back
11 to requesting input ports.